



NOTES:

1. This detail applies to all pipes 4" nominal diameter and greater.
2. Trench width shall not be more than 18" wider than the largest outside diameter of the pipe. There shall be a minimum of 6" clearance between the pipe and trench wall on either side of the pipe at the largest outside diameter of the pipe.
3. Trench bedding and backfill material shall be 3/4" Class II Aggregate Base (AB) in accordance with Caltrans Standard Specifications, latest edition. Native material, sand or "pea gravel" type materials are not permitted as trench backfill. Suitable native material as determined by the City Engineer can only be used in areas other than the street.
4. Backfill compaction requirements for Class II Aggregate Base (AB) trench backfill shall be:
 - A. 95% Relative compaction within street right-of-way as determined by ASTM Designation D1557-91.
 - B. 90% Relative compaction outside street right-of-way as determined by ASTM Designation D1557-91.
 - C. Compaction by water ponding or jetting is not permitted.
5. Where groundwater is encountered, trench shall be over excavated of unstable soils and stabilization fabric shall be placed onto the exposed subgrade and back filled with approximately 18 inches of Aggregate Base (AB) or equivalent. The aggregate base shall be 3/4" Class II in accordance with Caltrans Standard Specifications latest edition.
6. Trenches shall not be left open overnight unless plated. No trench shall be left with lip depression greater than one inch in the traffic area.
7. When water, sewer, or storm drain lines are constructed in easements between or adjacent to subdivision lots, a two inch slab of 4 sack Portland Cement Concrete shall be placed on the top of bedding material for the entire length and width of the trench.
8. Prior to construction, a permit for construction must be obtained from the Engineering Division.

NOT TO SCALE

CITY OF MILPITAS, ENGINEERING DIVISION

STANDARD DRAWING

NO. 220

TRENCH CONSTRUCTION

ORIGINAL: 11/13/97
DATE

SHEET 1 OF 1

REVISION

DATE

DESIGNED: MK

1

4/15/05

DRAWN: JH

CHECKED: JH

APPROVED BY:

CITY ENGINEER

DATE: 4/15/05